

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A radio-control antenna support device for lifting machinery, comprising: device, comprising
— a support arm that can be pivotally mounted to at least one of a lower frame or a lower chassis of a lifting machinery; and tower crane, the support arm including
— a head upon which is mounted at least one radio-control antenna, antenna for radio control of the tower crane,
wherein the head is radially offset from a vertical pivoting axis of the support arm arm, and
the support arm can be oriented about the vertical pivoting axis and can be positioned in at least two separate angular positions.
2. (Currently Amended) The radio-control antenna support device as claimed in claim 1, the support arm further comprising:
a base part that rotates on a fixed pivot, the fixed pivot defining the vertical pivoting axis;
a curved or bent tube extending from the base part, base part, a transmission cable which ends at the radio-control antenna passing inside the tube; and
at least one positioning device that immobilizes the tube in at least one of the at least two separate angular positions,
wherein the head is mounted to an end of the tube, and the head forms a mounting plate upon which the radio-control antenna is mounted.
3. (Currently Amended) The radio-control antenna support device as claimed in claim 1, wherein the at least two separate angular positions in which the support arm can be

immobilized, comprise a position folded back against the at least one of the lower frame or lower chassis of the lifting machinery, tower crane, and at least one position usable to position the head to be separated from the at least one of the lower frame or lower chassis of the lifting machinery, tower crane.

4. (Currently Amended) The radio-control antenna support device as claimed in claim 3, wherein the at least two separate angular positions in which the support arm can be immobilized comprise:

a first position which is the position folded back against the at least one of the lower frame or lower chassis of the lifting machinery, tower crane, the first position being usable for the working of the lifting machinery, tower crane and also for transporting the lifting machinery, tower crane;

a second position, the second position usable to position the head to be separated from the at least one of the lower frame or lower chassis of the lifting machinery, tower crane for raising and lowering of the lifting machinery, the tower crane; and

at least a third position which is separated from the at least one of the lower frame or lower chassis of the lifting machinery, tower crane, for bringing the radio-control antenna at least one of toward or in front of the at least one of the lower frame or lower chassis of the lifting machinery, tower crane.

5. (Previously Presented) The radio-control antenna support device as claimed in claim 4, wherein an angular distance between the first position of the support arm and the second position of the support arm is approximately 60° and an angular distance between the second position of the support arm and the at least one third position of the support arm is also approximately 60°, the support arm thus having an angular positional range of up to approximately 120°.

6. (Currently Amended) The radio-control antenna support device as claimed in claim 2, further comprising an upper positioning pin held on a plate fixed to the at least one of the lower frame or lower chassis of the lifting machinery, tower crane, the upper positioning pin cooperating with ~~another plate, another plate~~, provided with a hole, attached to the head, to position the support arm in a position folded back against the at least one of the lower frame or lower chassis of the lifting machinery, tower crane.

7. (Currently Amended) The radio-control antenna support device as claimed in claim 2, further comprising a lower positioning pin attached to the base part of the support arm at the fixed pivot, the lower positioning pin cooperating with at least one hole in a plate integral with a ~~part of~~ part of the fixed pivot to position the support arm in at least one position usable to position the head to be separated from the at least one of the lower frame or lower chassis of the lifting machinery, tower crane.

8. (Previously Presented) The radio-control antenna support device as claimed in claim 7, wherein the fixed pivot usable for orientation of the support arm has a U shape with at least two flanges positioned horizontally, one of the at least two flanges positioned vertically above another of the at least two flanges to form at least an upper bearing and a lower bearing, the upper bearing and the lower bearing being traversed by the base part of the support arm, the plate drilled with at least one hole being integral with the one of the at least two flanges that forms the upper bearing.

9. (Currently Amended) The radio-control antenna support device as claimed in claim 8, wherein the at least two flanges are connected by a vertical section that is fixed with respect to the at least one of the lower frame or lower chassis of the lifting machinery, tower crane.

10. (Currently Amended) The radio-control antenna support device as claimed in claim 6, wherein the base part of the support arm is mounted such that the base part slides

along a vertical axis in the ~~fixed pivot~~ fixed pivot to raise the support arm to allow movement of the support arm from one position to another position.

11. (Currently Amended) The radio-control antenna support device as claimed in claim 10, wherein raising of the support arm facilitates releasing the plate from the upper positioning ~~pin and pin and~~ moving around an obstacle formed by an upper edge of the at least one of the lower frame or lower chassis of the lifting machinery tower crane during movement of the support arm at least from the first position to the second position.

12. (Currently Amended) The radio-control antenna support device as claimed in claim 10, wherein a ~~stop device stop device~~ is provided on the base part of the support arm to limit the raising of the support arm and to restrict the support arm from coming out of the pivot during a change of position of the support arm.

13. (Previously Presented) The radio-control antenna support device as claimed in claim 12, wherein the stop device comprises a safety pin.

14. (Currently Amended) The radio-control antenna support device as claimed in claim 3, further comprising an upper positioning pin held on a plate fixed to the at least one of the lower frame or lower chassis of the lifting machinery, tower crane, the upper positioning pin cooperating with another plate, provided with a hole, attached to the head, to position the support arm in the position folded back against the at least one of the lower frame or lower chassis of the lifting machinery, tower crane.

15. (Previously Presented) The radio-control antenna support device as claimed in claim 2, wherein the base part of the support arm is mounted such that the base part slides along a vertical axis in the fixed pivot to raise the support arm to allow movement of the support arm from one position to another position.

16. (Canceled)

17. (Previously Presented) Tower crane including the radio-control antenna support device of claim 1.